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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jacques Yves Guigne

Serial No.: 09/698,927

Filed: October 26, 2000

For: SEABED SONAR
MATRIX SYSTEM

Group Art Unit: 3662

Examiner: Ian J. Lobo

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GROUP 3600

AMENDMENT AFTER FINAL ACTION

11/20/2002 DBATES 00000003 061985 09698927

01 FC:2201 14800 Commissioner of Patents

October 24, 2002

Washington D.C. 20231

Los Angeles, CA 90024

In response to the Final Office Action dated June 28, 2002, applicant request amendment of the above-identified application as follows:

11/06/2002 BABRAHA1 00000084 09698927

01 FC:2251

55.00 OP

In The Claims:

✓ Cancel claim 9 and add new claim 10 as follows:

New Claim 10

14. 10. Apparatus for sensing characteristics of regions at and under a seafloor, comprising:

an array comprising a plurality of transducers that each can generate a sonic beam, and a plurality of sonic detectors that can detect sound;

circuitry connected to said plurality of transducers to energize them one at a time with an electrical pulse to generate a narrow sonic beam, said circuitry connected to said detectors to receive signals representing a sonic echo of each sonic beam;

said plurality of transducers being arranged in at least one row;

said sonic detectors include at least three detectors and said detectors are interspersed with said transducers, with each transducer associated with an

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